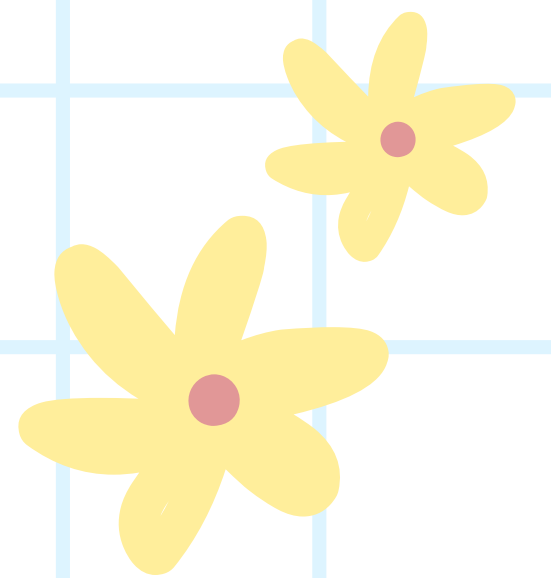
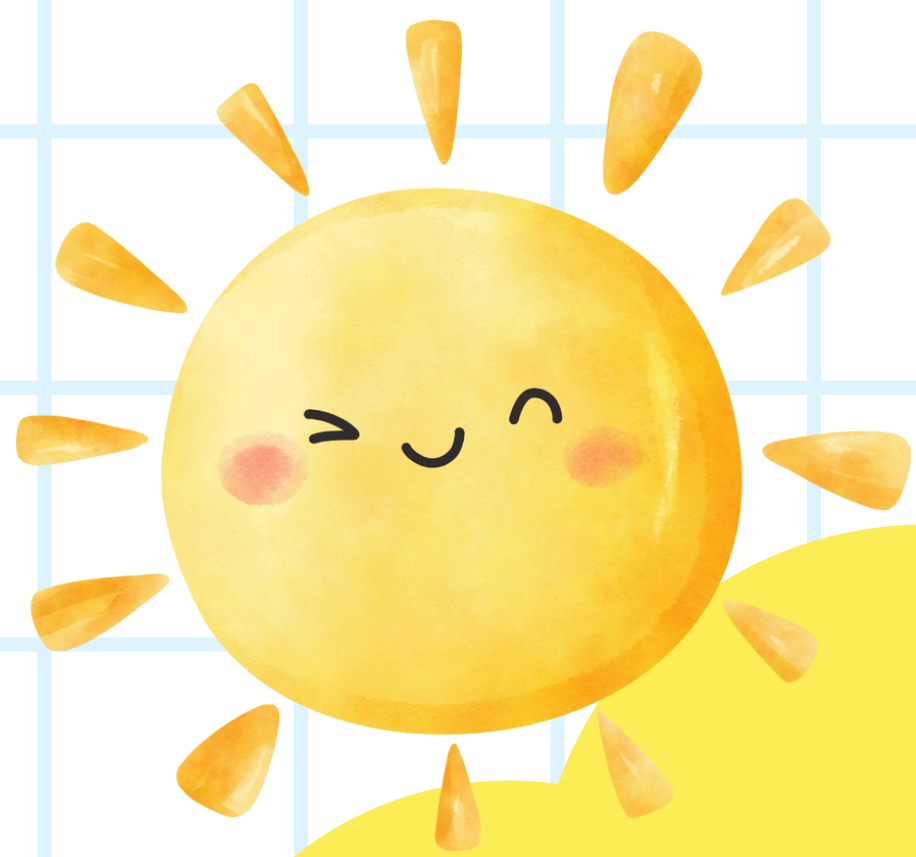




DICTIONARY SIX

DIGITAL CONCEPTS

Try this

- Look at the key words and the picture.
- Read the example sentence out loud.
- Imagine the story and relate it to your life.

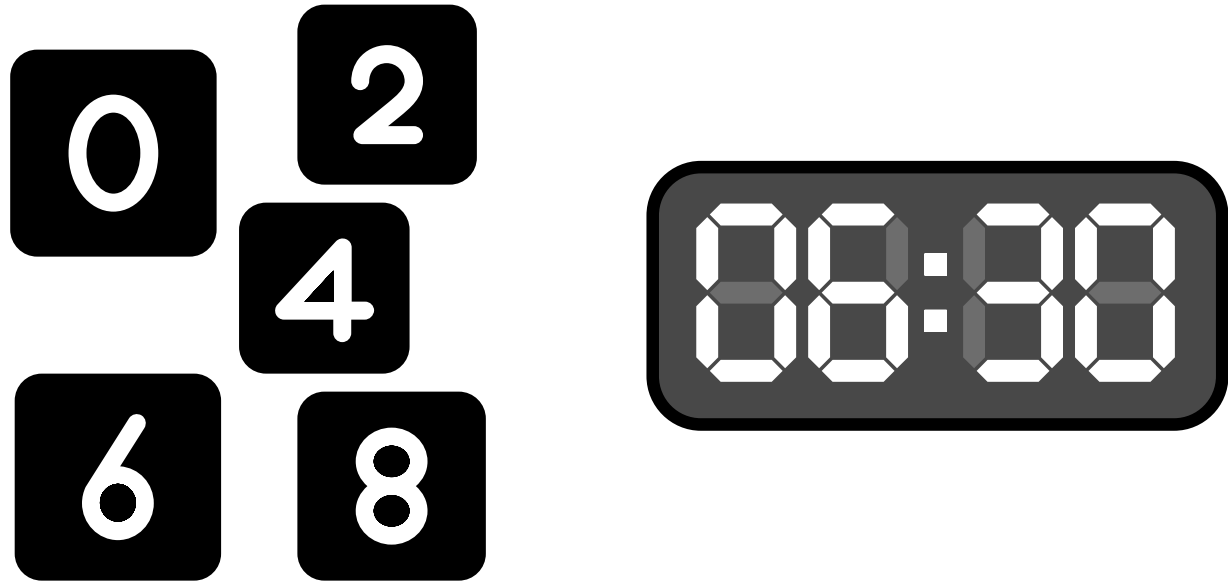
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Digit

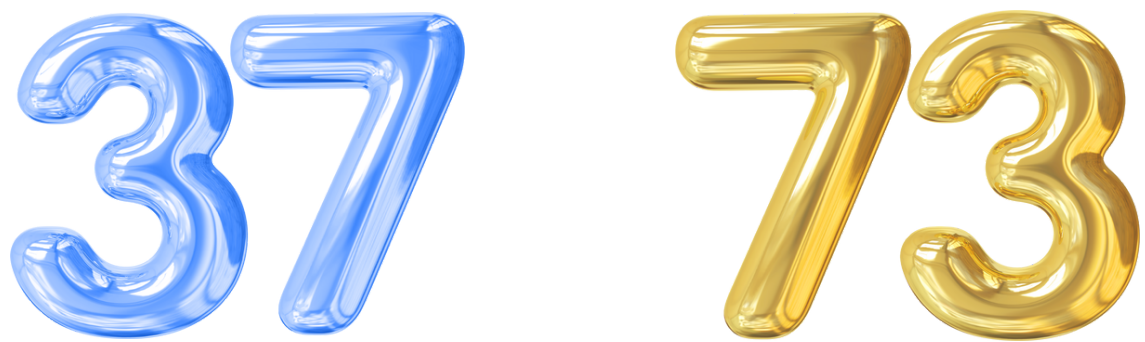
['dɪdʒ.ɪt] • noun

One single number from 0 to 9 that we use to make other numbers.



Example:

Frank wants to make a number using the **digits** "3" and "7". What two-**digit** numbers can he make?



Numeral

['nu:.mə.rəl] • noun

A symbol or a group of digits that shows a number.



Example:

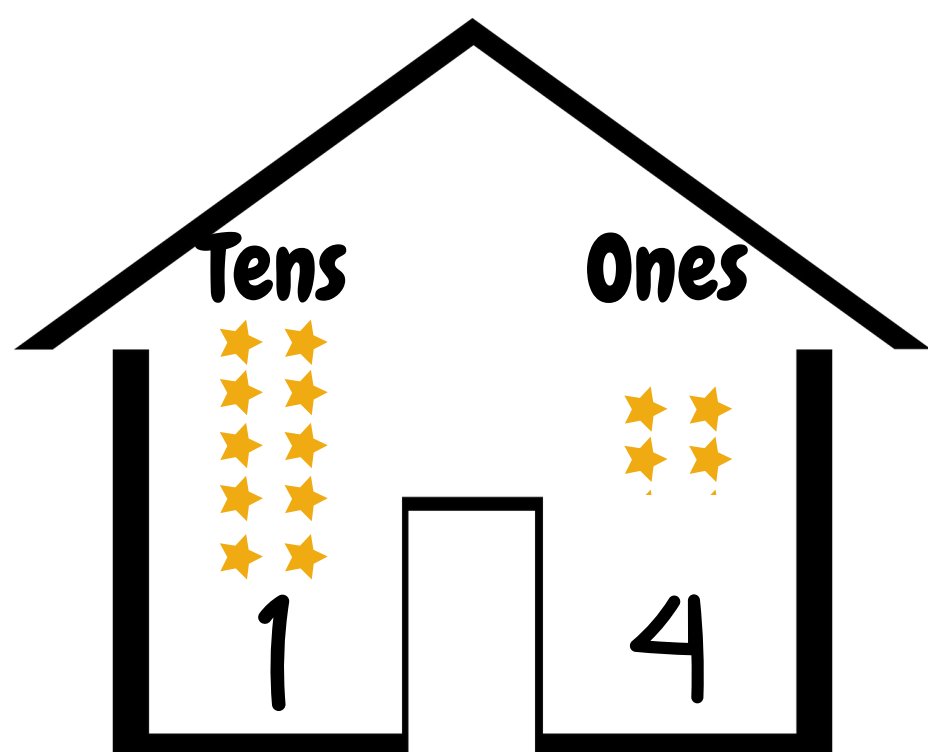
Max read the word "three hundred fifteen degrees". Which **numeral** shows that number?



Place Value

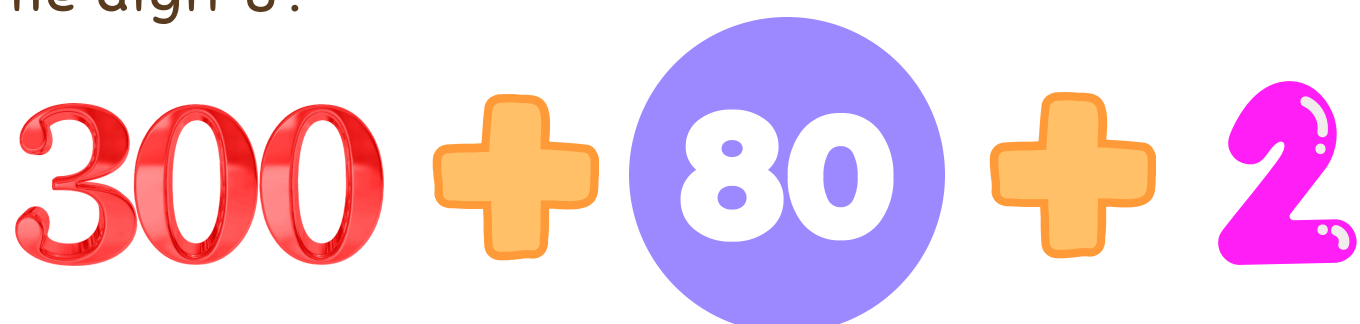
[pleɪs.'væl.ju:] • phrase

The value of a digit depends on where it is in the number.



Example:

In the number 382, what is the **place value** of the digit 8?

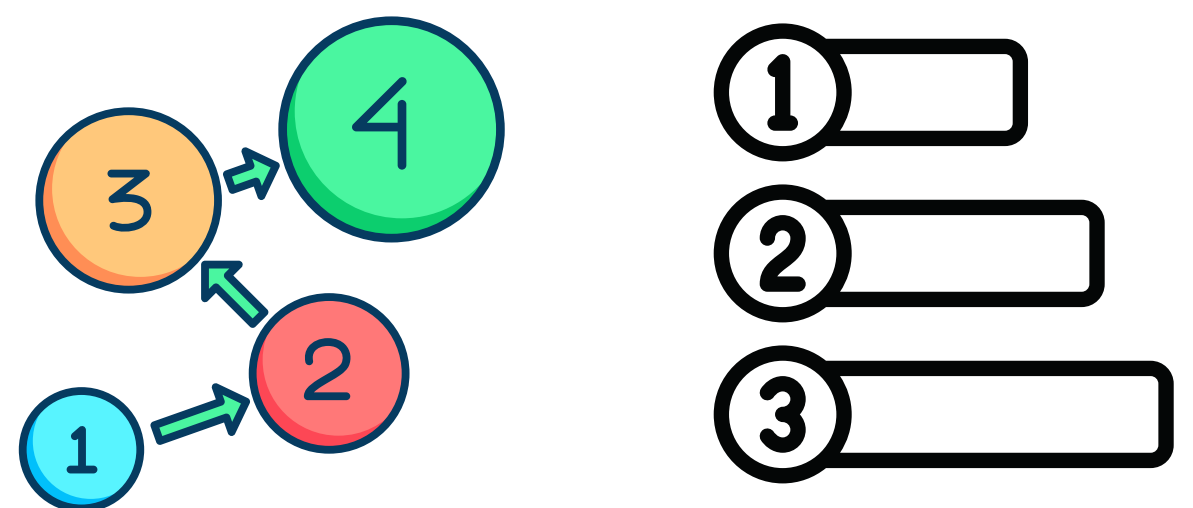


The **place value** of digit "8" is 80, because it is in the Tens Digit.

Order

['ɔːr.də] • noun

To arrange numbers from smallest to biggest or biggest to smallest.



Example:

Emma **orders** the numbers 25, 38, and 52 from least to greatest. Then she adds the number 45 to the list. What is the new correct **order**?

$$25 < 38 < 45 < 52$$



Ones

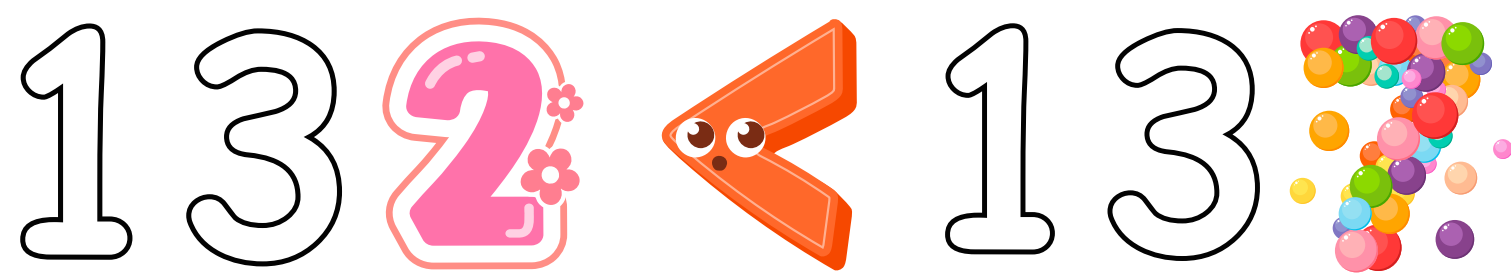
[wʌns] • noun

The place that shows how many single units (ones) are in a number.



Example:

Liam wrote the numbers 132 and 137. Which number has a greater digit in the **ones** place?



The number 137 has a greater digit in **ones** place.



Tens

[tens] • noun

The place that shows how many groups of ten are in a number.



Example:

Anna wrote the numbers 145 and 165. Which number has a greater digit in the **tens** place?



The number 165 has a greater digit in **tens** place.



Hundreds

['hʌn.drəds] • noun

The place that shows how many groups of one hundred are in a number.



Example:

Lily wrote the numbers 361 and 561. Which number has a greater digit in the **hundreds** place?



The number 561 has a greater digit in **hundreds** place.



Thousands

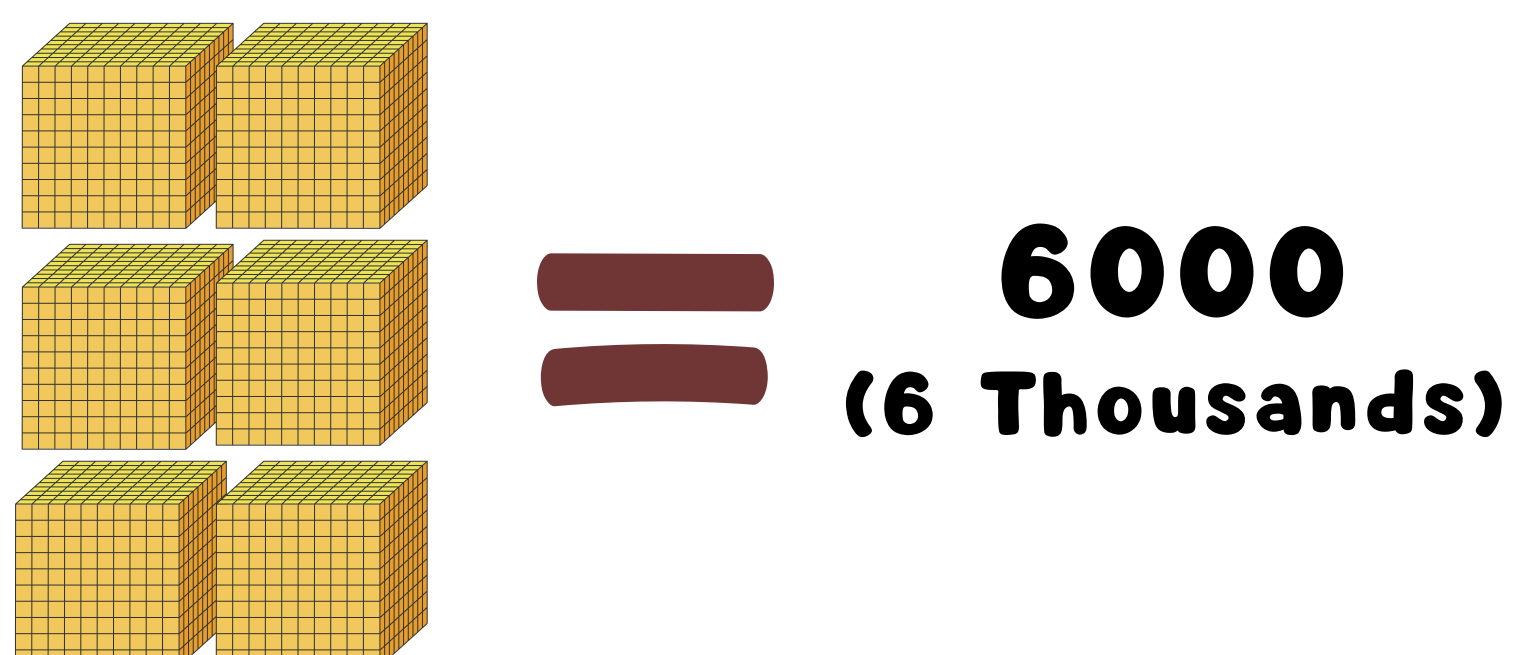
['θaʊ.zənds] • noun

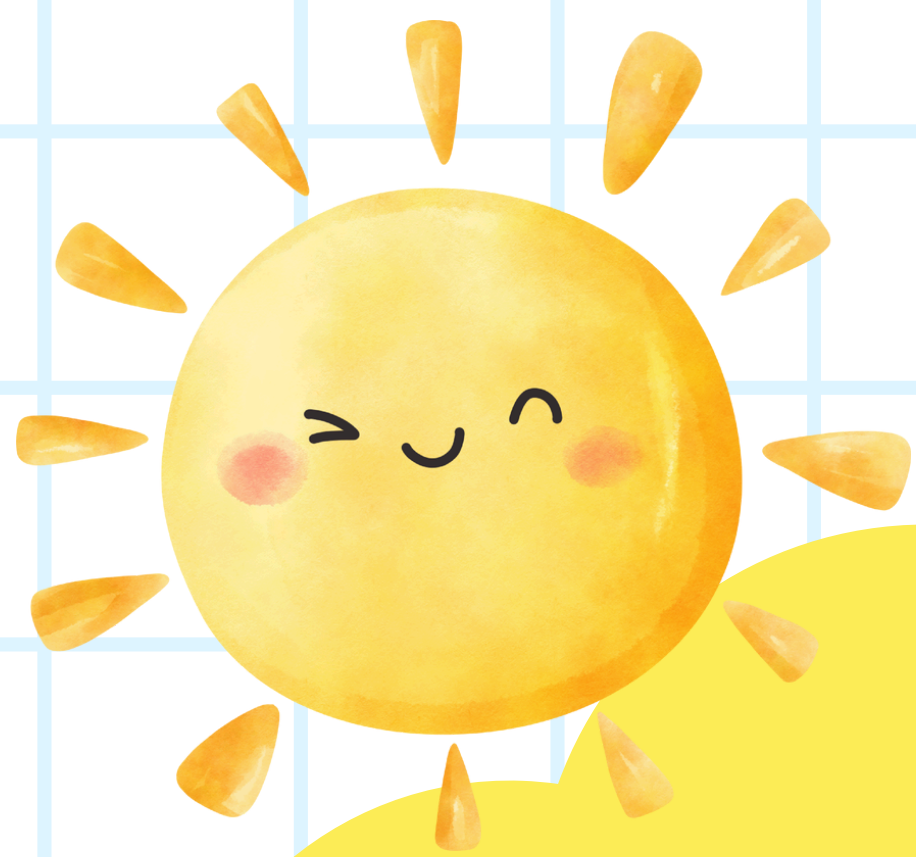
The place that shows how many groups of one thousand are in a number.



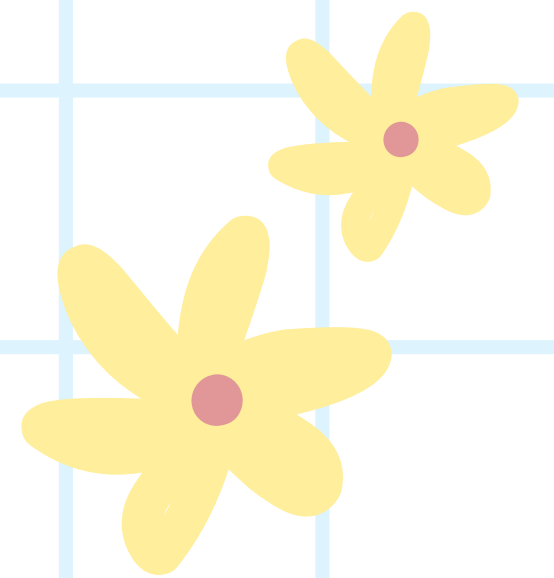
Example:

How many **thousands** are there in the number 6,000?





DICTIONARY SIX



TIME

MEASUREMENT



Try this

- Look at the key words and the picture.
- Read the example sentence out loud.
- Imagine the story and relate it to your life.



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Second

['sek.ənd] • noun

A short unit of time that is equal to one sixtieth of a minute. It helps us measure how long something takes.



Example:

Zoey is editing a video. One video clip is 20 **seconds** long. Another clip is 35 **seconds** long. How many **seconds** long are both clips together?

$$20 + 35 = 55$$



Zoey need 55 **seconds**.



Minute

['mɪnɪt] • noun

A unit of time that is equal to 60 seconds.



Example:

Every morning, Christie needs to brush her teeth for 3 **minutes**, and wash her face for 5 **minutes**. After these, she spends 15 **minutes** to eat breakfast. How many **minutes** does it take Christie to complete all these tasks?

$$3 + \cancel{5} + \cancel{15} = 23$$



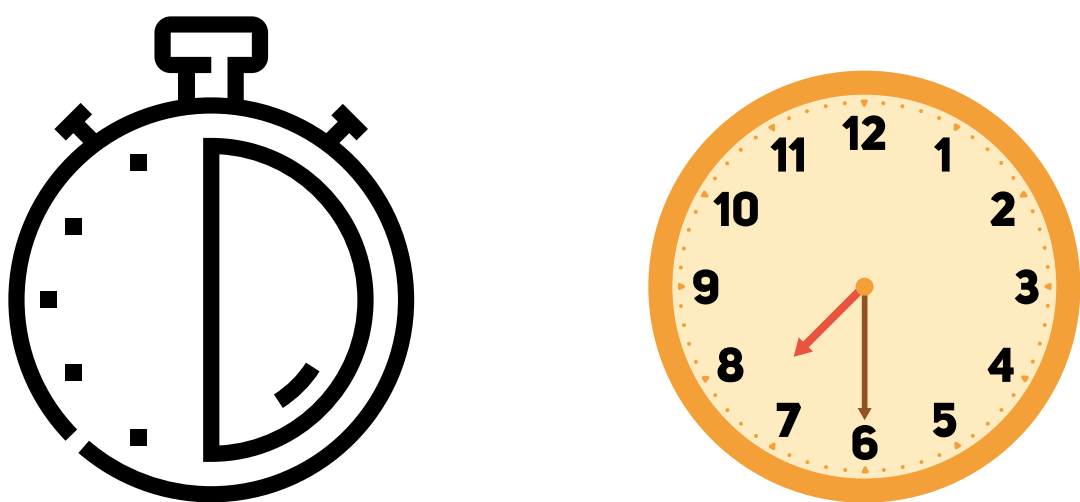
Christie need 23 **minutes** to complete these tasks



Half Hour

[hæf. aʊr] • phrase

A unit of time that is half of one hour, which is 30 minutes



Example:

A school recess starts at 10:00 and lasts for a **half hour**. What time does recess end?

$$\begin{array}{r} 10:00 \\ + \quad 30 \text{ mins} \\ \hline 10:30 \end{array}$$



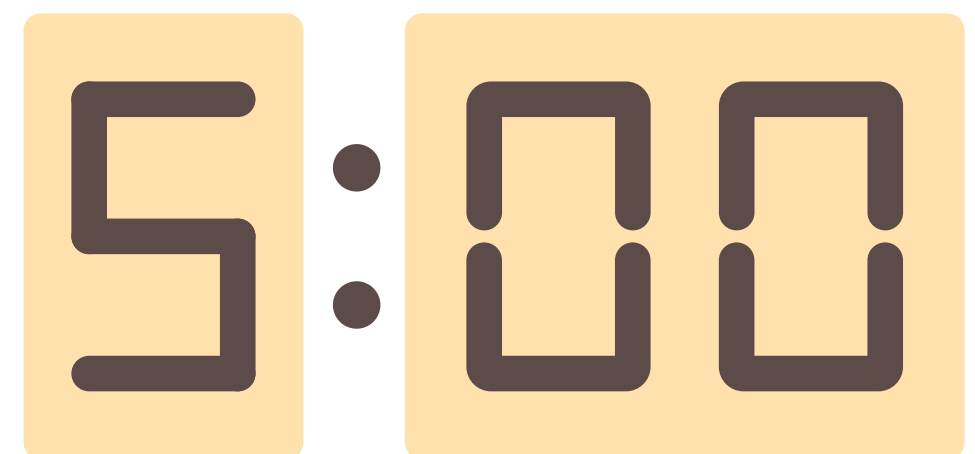
The school recess ends at 10:30.



Hour

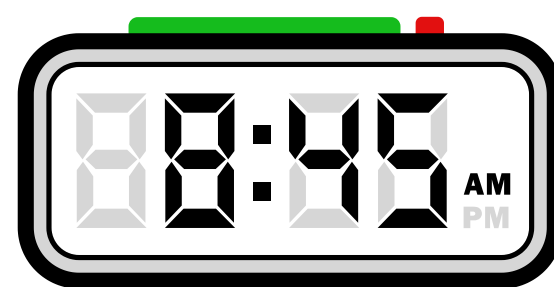
[aʊr] • noun

A unit of time that is equal to 60 minutes.



Example:

Teacher Elle's class starts at 8:45, and ends at 10:45. How many **hours** long is the class?



This class takes 2 **hours**.

$$\begin{array}{r} 10:45 \\ - \quad 8:45 \\ \hline 2 \text{ h } 0 \text{ min} \end{array}$$



Day

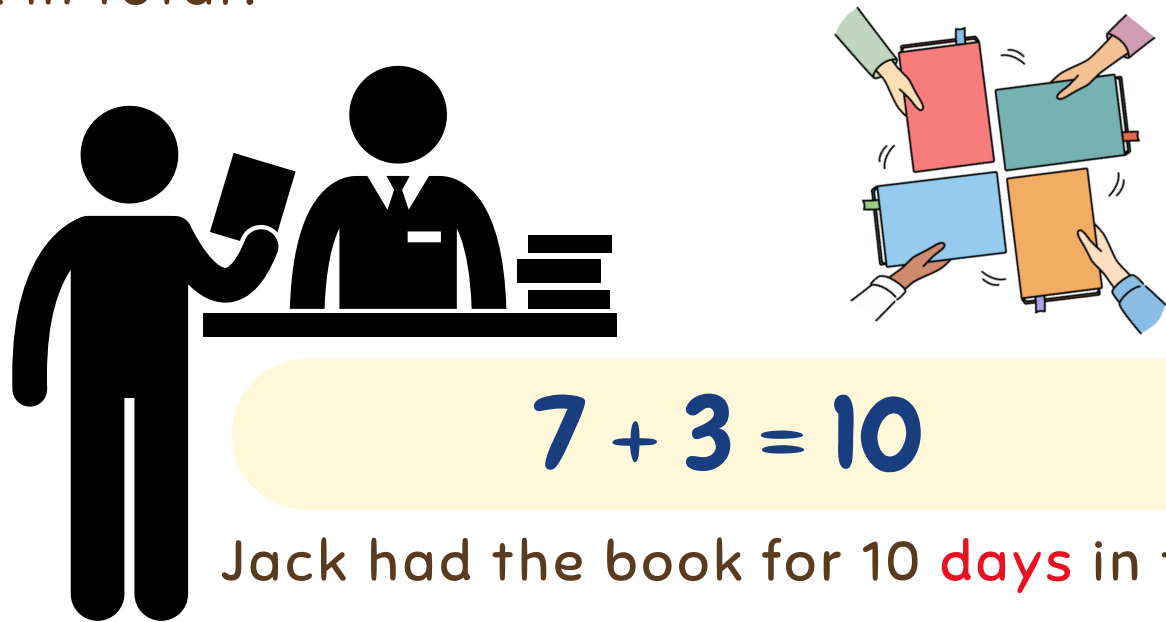
[deɪ] • noun

A full cycle of time that is 24 hours long.



Example:

Jack borrowed a book for 7 **days**. Then he kept it for 3 more **days**. How many **days** did he have the book in total?



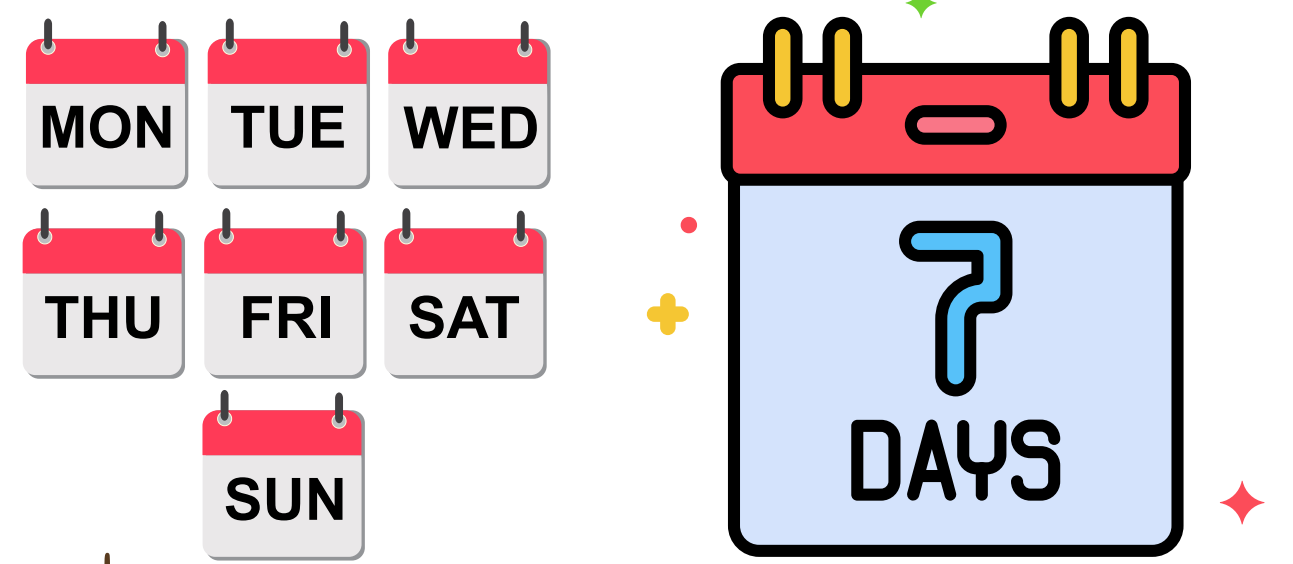
Jack had the book for 10 **days** in total.



Week

[wi:k] • noun

A unit of time that has 7 days.

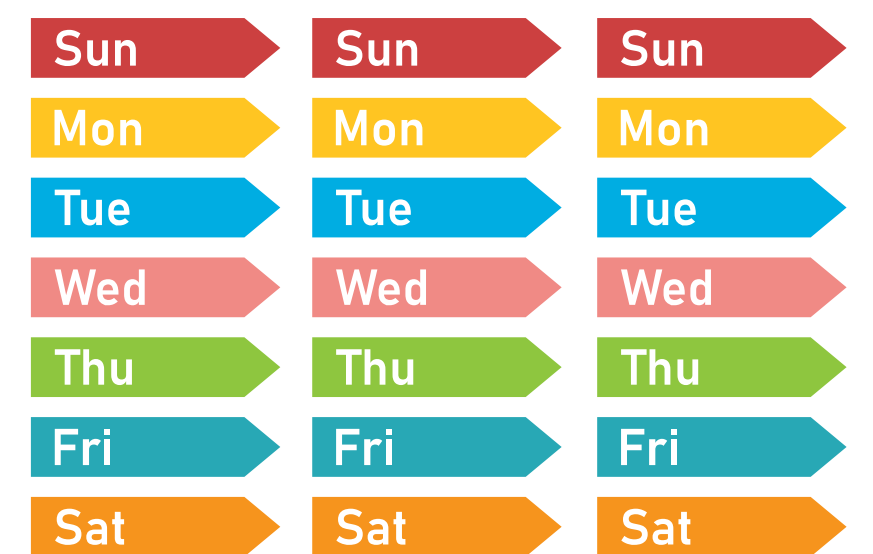


Example:

There are 7 days in a **week**. How many days are there in 3 **weeks**?

$$7 + 7 + 7 = 21$$

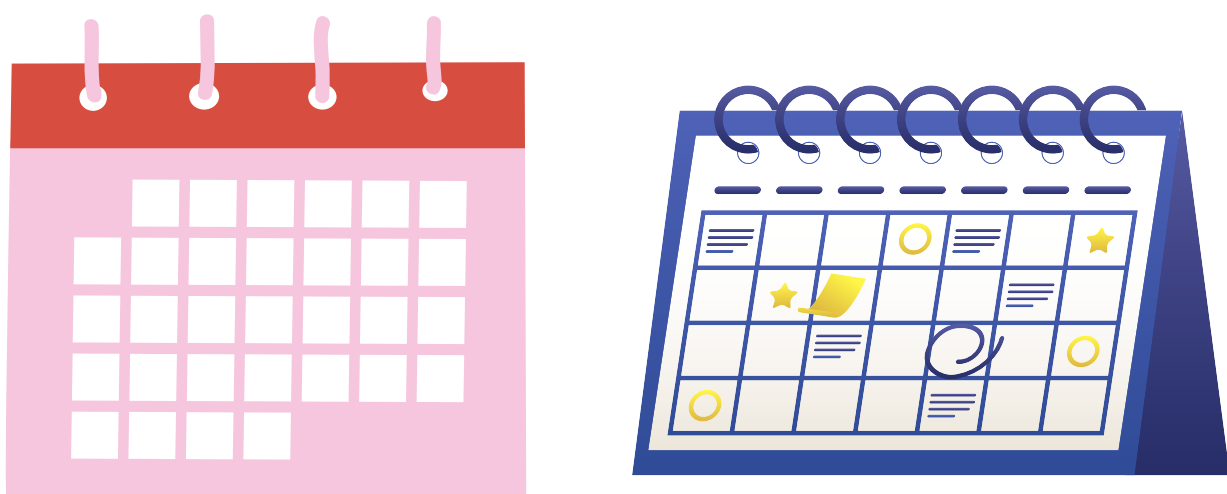
There are 21 days in 3 **weeks**.



Month

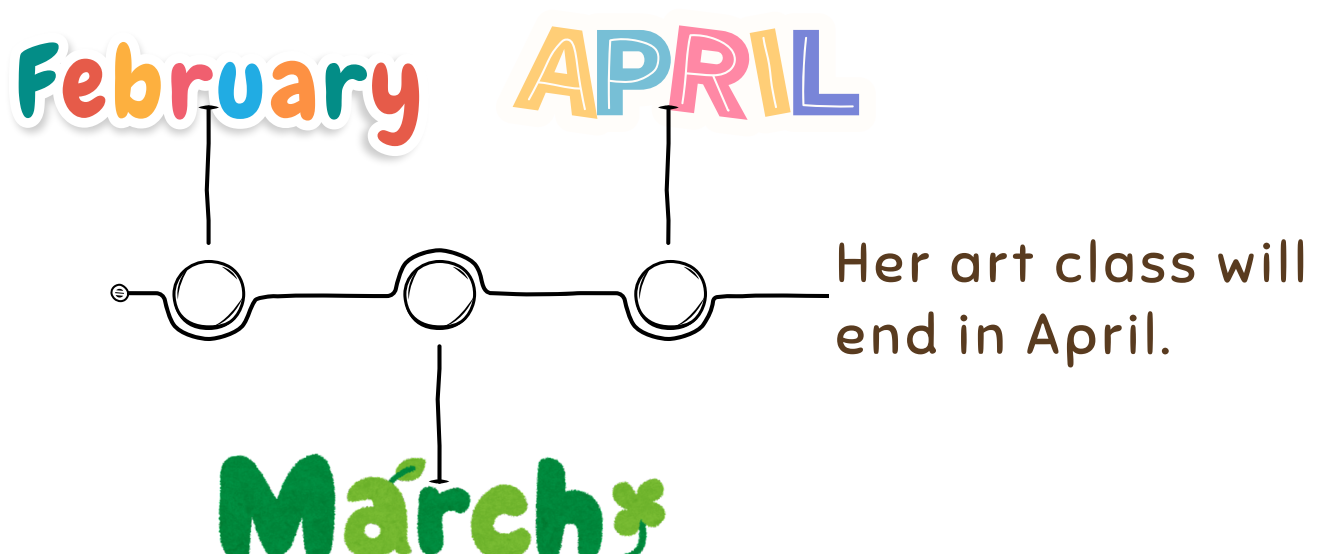
[mʌnθ] • noun

A unit of time that is about 30 days and comes from the calendar.



Example:

Cindy started her art class in the beginning of February and took lessons for 3 **months**. In what month did her class end?



Year

[jɪr] • noun

A unit of time that has 12 months or about 365 days.



Example:

Ada is 7 **years** old now. How old will she be in 5 **years**?

$$7 + 5 = 12$$

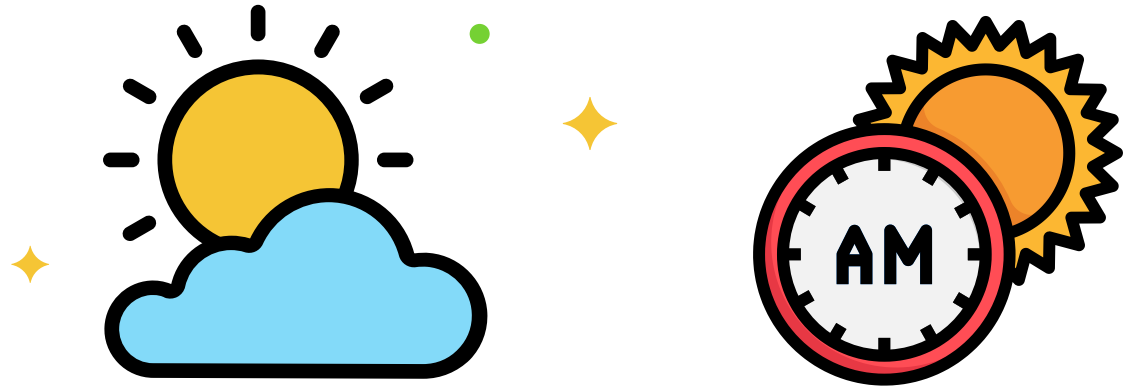
Ada will be 12 **years** old in 5 **years**.



A.M.

[eɪˈem] • adverb

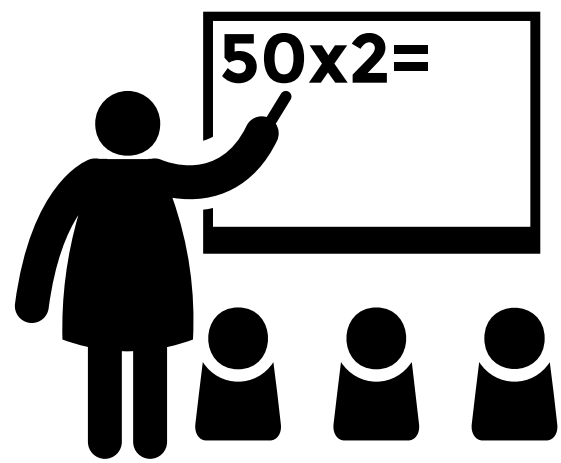
Full name in Latin "Ante Meridiem", which means "before noon." It refers to the time from midnight (12:00 a.m.) to just before 12:00 p.m., when the day begins.



Example:

Teacher Daisy's class begins at 8:45 **A.M.** and ends at 11:15 **A.M.** How long does the class last?

$$\begin{array}{r}
 10 \xrightarrow{+60 \text{ mins}} 75 \\
 \cancel{11} : \cancel{15} \\
 - \quad 8 : 45 \\
 \hline
 2 \text{ h } 30 \text{ min}
 \end{array}$$



 Think Academy

P.M.

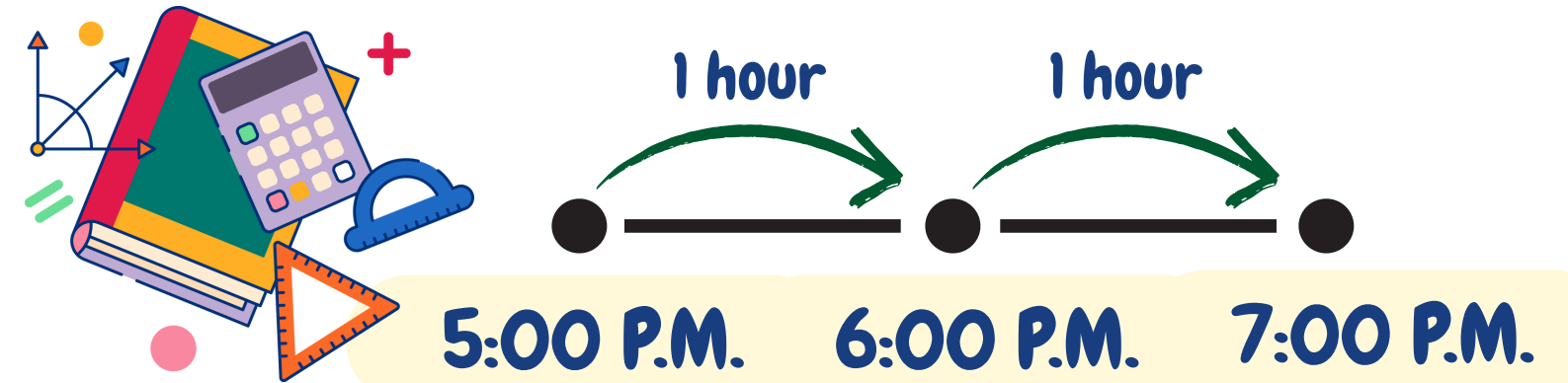
[piːˈem] • abbreviation

Full name in Latin "Post Meridiem", which means "after noon." It refers to the time from 12:00 p.m. (noon) to just before midnight (11:59 p.m.). In the afternoon and evening.



Example:

Teacher Eric's class begins at 5:00 **P.M.** and the class takes 2 hours. When does the class end?



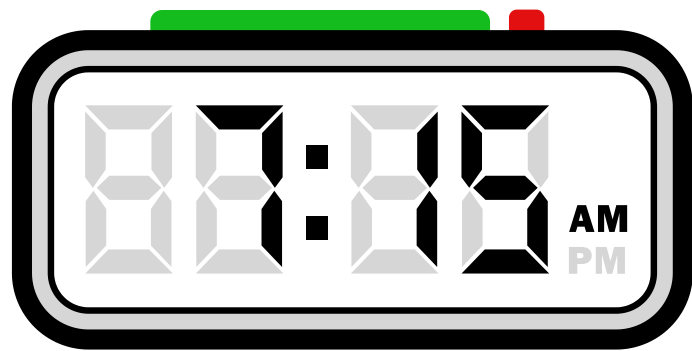
The class ends at 7:00 **P.M.**

 Think Academy

12-Hour System

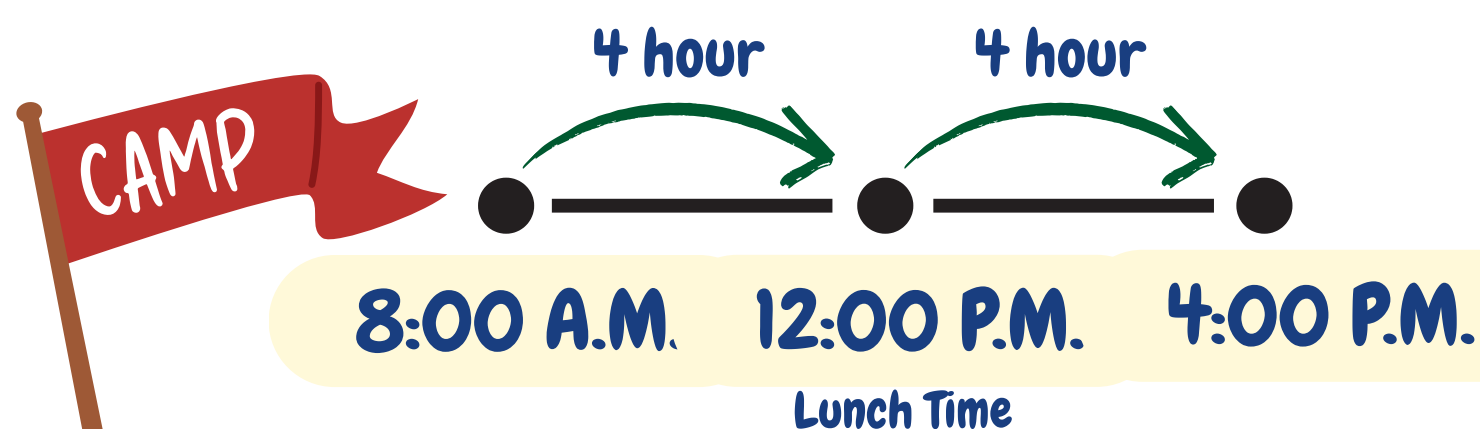
[twelv. aʊr. 'sis.təm] • phrase

A way of telling time that divides the day into two 12-hour parts: a.m. for the time from midnight to noon; p.m. for the time from noon to midnight.



Example:

In the **12-hour system**, Think Academy's summer camp starts at 8:00 A.M. and ends at 4:00 P.M. How many hours long is the summer camp?



$$4 + 4 = 8$$

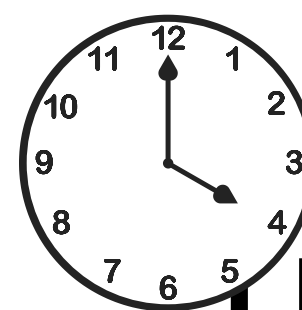
The summer camp lasts 8 hours

 Think Academy

24-Hour System

['twen.ti. fɔːr. aʊr. 'sis.təm] • phrase

A way of telling time where the day runs from 00:00 (midnight) to 23:59, without using "a.m." or "p.m." Each hour of the day is given a unique number from 0 to 23.



Example:

In the **24-hour system**, Think Academy's summer camp starts at 8 o'clock and ends at 16 o'clock. How many hours long is the summer camp?

$$\begin{array}{r}
 16 : 00 \\
 - \quad 8 : 00 \\
 \hline
 8 \text{ h } 0 \text{ min}
 \end{array}$$



The summer camp lasts 8 hours

 Think Academy